

L35 ANSWER 107 OF 272 HCAPLUS COPYRIGHT 2006 ACS on STN
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DOCUMENT NUMBER: 142:54847
TITLE: Tolypocladium inflatum mutant producing cyclosporin A
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CODEN: KRXXFC
DOCUMENT TYPE: Patent
LANGUAGE: Korean
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
KR 161664	B1	19981116	KR 1996-499	19960112
PRIORITY APPLN. INFO.:			KR 1996-499	19960112

AB Tolypocladium inflatum mutant and a process for producing cyclosporin A are provided. Tolypocladium inflatum mutant KFCC 10889 strain generally produces cyclosporins A, B, C, and D with cyclosporin A representing 80% or more of the total produced. Cyclosporin A is an anti-bacterial, anti-insect, anti-inflammatory, and immunosuppressive agent. The process for producing cyclosporin A using KFCC 10889 strain comprises the steps of: incubating KFCC 10889 strain in a yeast extract medium; separating the strain and extracting the mixture with ethanol; re-extracting the resulting mixture with Bu acetate; dissolving extract in acetone and passing through the column packed with silica gel.

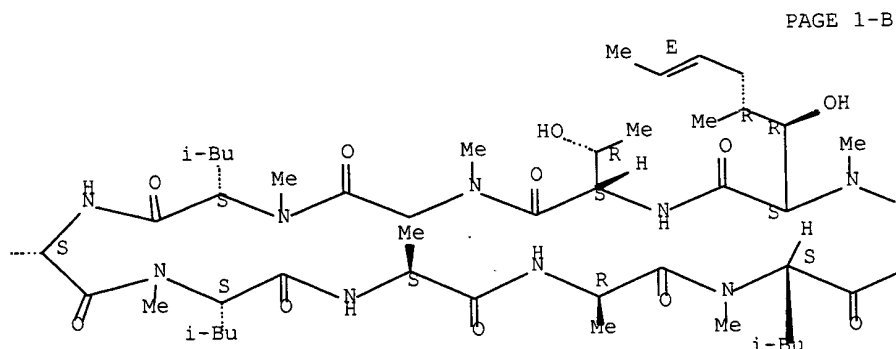
IT 59787-61-0P, Cyclosporin C 63775-95-1P, Cyclosporin B 63775-96-2P, Cyclosporin D
 RL: BYP (Byproduct); PREP (Preparation)
 (Tolypocladium inflatum mutant producing cyclosporin A)

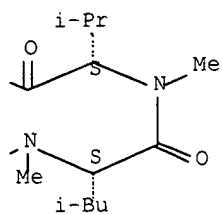
RN 59787-61-0 HCAPLUS
 CN Cyclosporin C (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry as shown.

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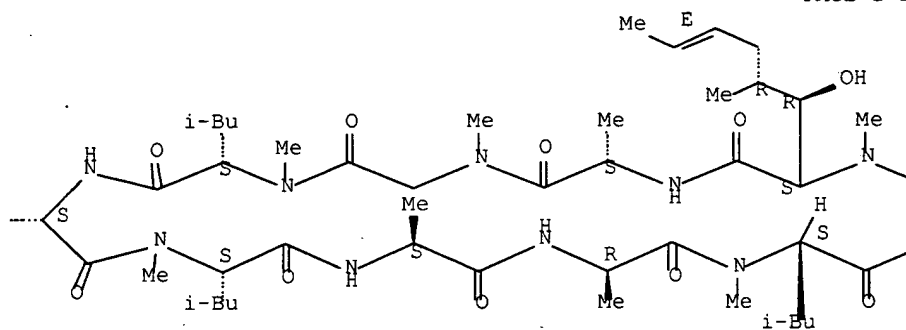


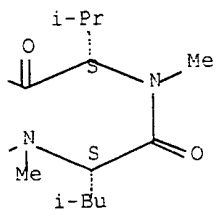


RN 63775-95-1 HCAPLUS
 CN Cyclosporin B (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry as shown.

i-Pr





RN 63775-96-2 HCAPLUS
 CN Cyclosporin D (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry as shown.

